Example Data Summary Sheet for Stormwater Management Plan

Project Name: Rolling Acres **Project Size:** 110 Acres **Project type:** Residential Subdivision **No. of Lots:** 180
Number of Runoff Discharge Points: 3 **Watershed (ultimate discharge)**: Pewaukee Lake (via unnamed tributary)
Watershed Area (including off-site runoff traveling through project area): 140 acres (30 acres off-site)
Public Land Survey Location: SE1/4, Section 32, T8N R19E (Pewaukee Township)

Summary Data Elements	Subwatershed A		Subwatershed B		Subwatershed C	
	Pre-develop	**Post-develop**	**Pre-develop**	**Post-develop**	**Pre-develop**	**Post-develop**
Watershed Areas *(in acres) (see attached map)*	100 acres	120 acres	20	10	20	10
Average Watershed Slopes (%)	2-8%	2-8%	3-6%	3-6%	6-8%	6-8%
Land Uses *(% of each) (see attached map)*	75 ac. cropland 15 ac. brush 10 ac. woodland	110 ac. ½ ac. lots 5ac. brush 5 ac. woodlands	100% cropland	100% ½ ac. lots	100% Woodland	100% ½ acre lots
Runoff Curve Numbers	68 x 75ac.= 5100 30 x 25ac.= 750 *Net 5850\100 ac.* RCN = 59	70 x 110 ac.= 7700 10 x 10 ac.= 100 Net 7800\120ac RCN = 65	RCN = 68 (state standard)	RCN = 70	RCN = 30	RCN = 70
Conveyance Systems Types	Grass waterway	50% grass swale 50% storm sewer	100% bare channel	100% grass swale	100% natural channel	100% storm sewer
Summary of Average Conveyance System Data	8’ bottom/4:1 ss 2’ depth/3% grade	2’ depth swale/3% 30” r/c sewer/2% (see calcs.)	15’ (w) top 1’ (d) parabolic 2% grade	2’ deep standard road ditch 2% grade	15’ top (w) 1’ (d) parabolic 4% grade	2’ deep standard road ditch 4% grade
Time of Concentration *(Tc) (see attached map & worksheets)*	1.1 hrs.	.97 hrs.	.74 hrs.	.65 hrs.	.45 hrs.	.35 hrs.
Runoff volumes @ .23 in./ac	N/A	2.29 ac. ft.	N/A	.19 ac. ft.	N/A	.19 ac. ft.
1-year/24 hour Runoff Volume	N/A	(.2” x 120 ac.) 2.0 ac. ft.	N/A	(.34” x 10 ac.) .28 ac. ft.	N/A	(.34” x 10 ac.) .28 ac. ft.
2-yr./24 hour Peak Flow *(see attached hydrographs)*	18.2 cfs	24.3 cfs	5.1 cfs	3.2 cfs	2.7 cfs	6.3 cfs
10-yr./24 hour Peak Flow	41 cfs	72 cfs	18.4 cfs	11.3 cfs	12.6 cfs	13.2 cfs
100-yr./24 hour Peak Flow	118 cfs	171 cfs	53 cfs	21 cfs	22 cfs	24 cfs